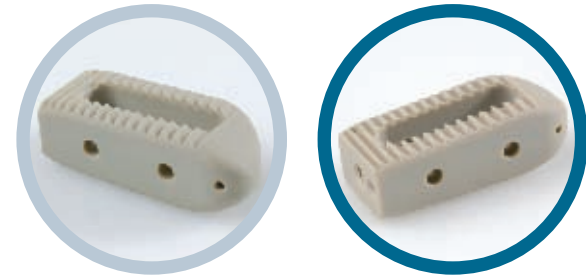


CHARIS LUMBAR CAGE

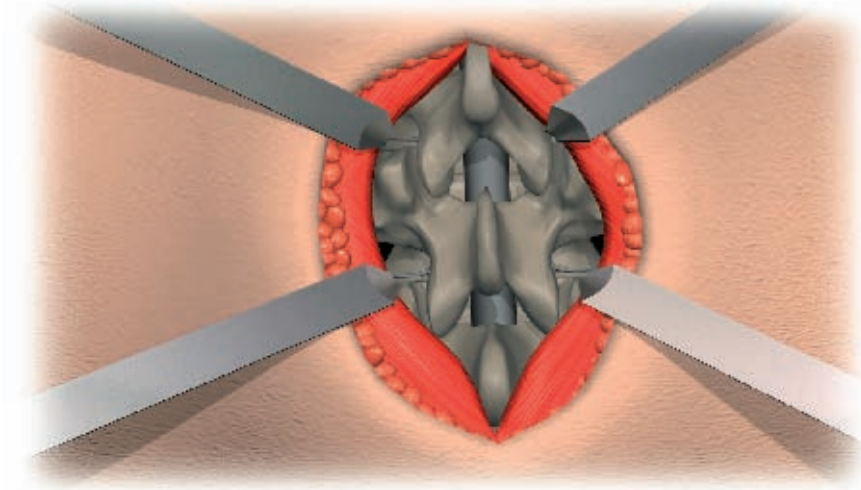
Surgical Technique



STEP 1

Patient positioning and incision

The patient is placed in ventral decubitus in order to provide abdomen free. A median approach at the level to be treated. A small incision is performed.



Exposed the affected disc in order to perform a discectomy completely. At the same time vertebral lamina should be clearly exposed

Instrumentation

Charis lumbar size 22 mm



Charis lumbar size 25 mm



STEP 2

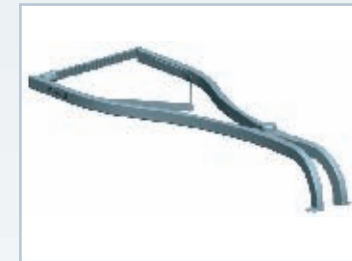
Distract segment

Distract the segment with the vertebral distractor or with the distractors of different sizes.



Instrumentation

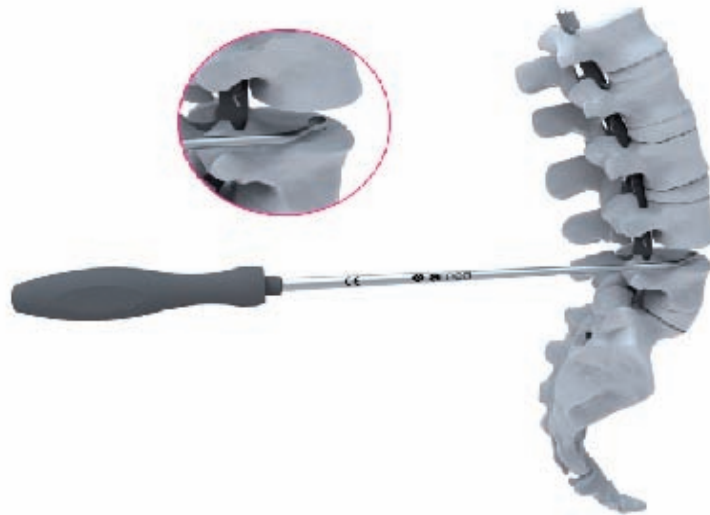
Vertebral Distractor
REF: CHAVD10



STEP 3

Preparation of the vertebral endplates

Remove the cartilaginous layers from the surface of the adjacent vertebral end plates and rasp the end plate in order to accelerate the osteointegration. Use one of the 3 curettes available to complete this operation. Be careful in rasping the bone and not to weaken the end plates.



Instrumentation

Left Curette
REF: CHAVD10



Straight Curette
REF: CHACUS

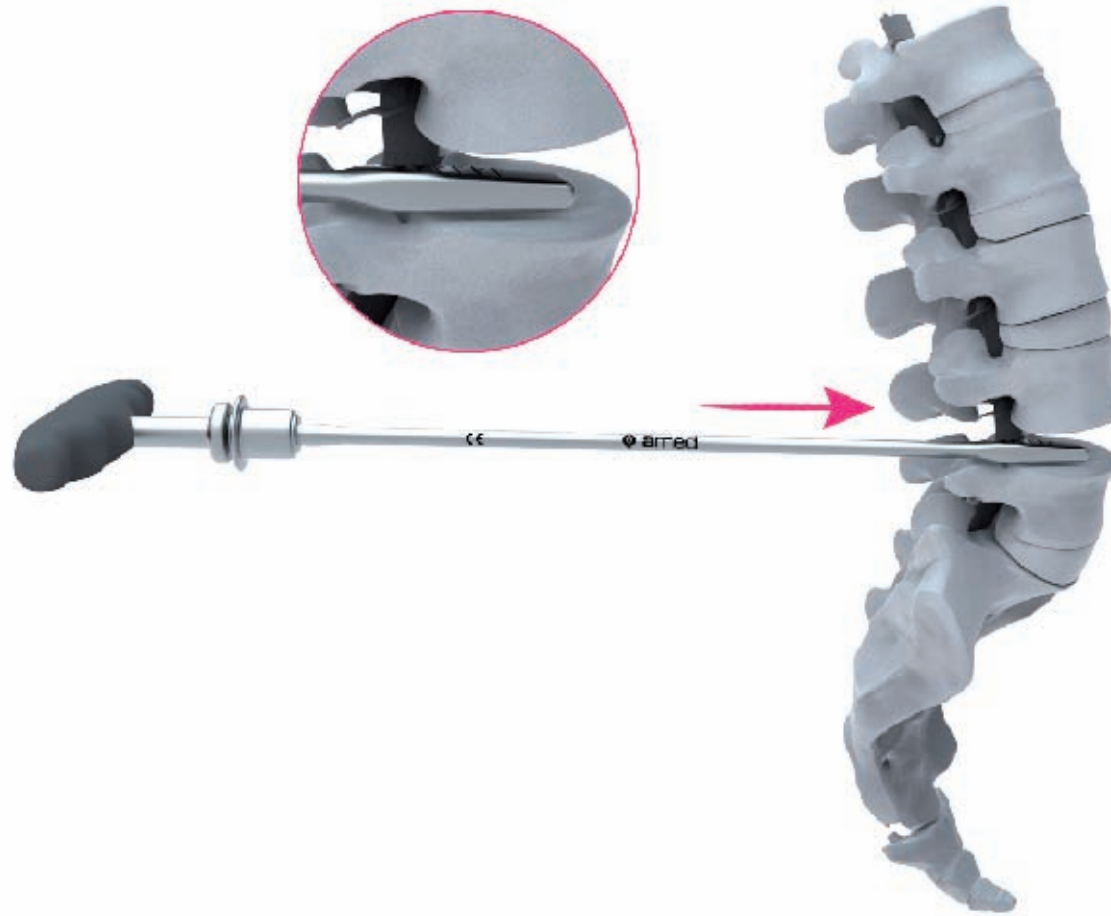


Right Curette
REF: CHACUR



STEP 4

With the graduated distractor restore the disc height.



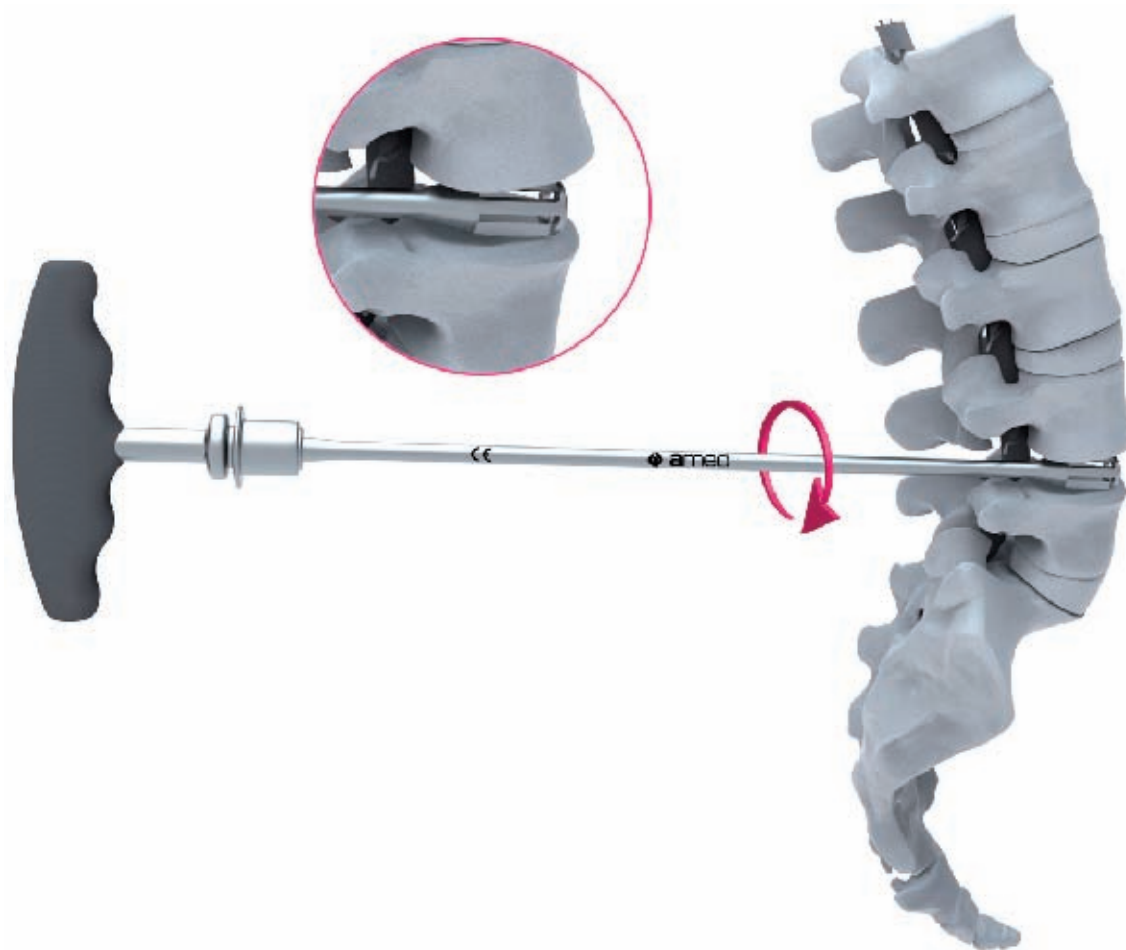
Instrumentation

Distractor 6 To 12
REF: CHAD-06 to 12



STEP 5

With the reamer gentle rasping can be performed on the endplate.



Instrumentation

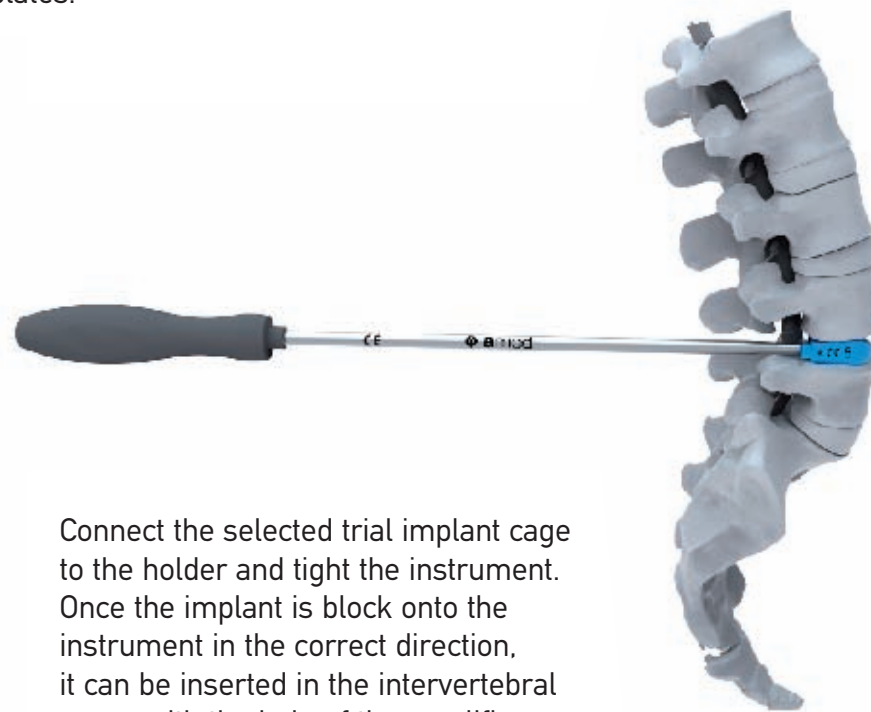
Reamer 7 To 12
REF: CHAR 7 to 12



STEP 6

Select the TRIAL IMPLANT

Please select a trial implant that best match the prepare end plates.



Connect the selected trial implant cage to the holder and tight the instrument. Once the implant is block onto the instrument in the correct direction, it can be inserted in the intervertebral space with the help of the amplifier Xrays.

Instrumentation

Trial Cage Holder
REF:CHATH10



STEP 7

Insertion of the final cage.

Connect the final cage to the cage holder and position the cage on to the bone filler and fill bone substitute or cancellous bone.

Use the bone impactor to compact the bone into the cage area.



Instrumentation

Cage Holder
REF/CHACH10



Bone Filler
REF:CHABF10



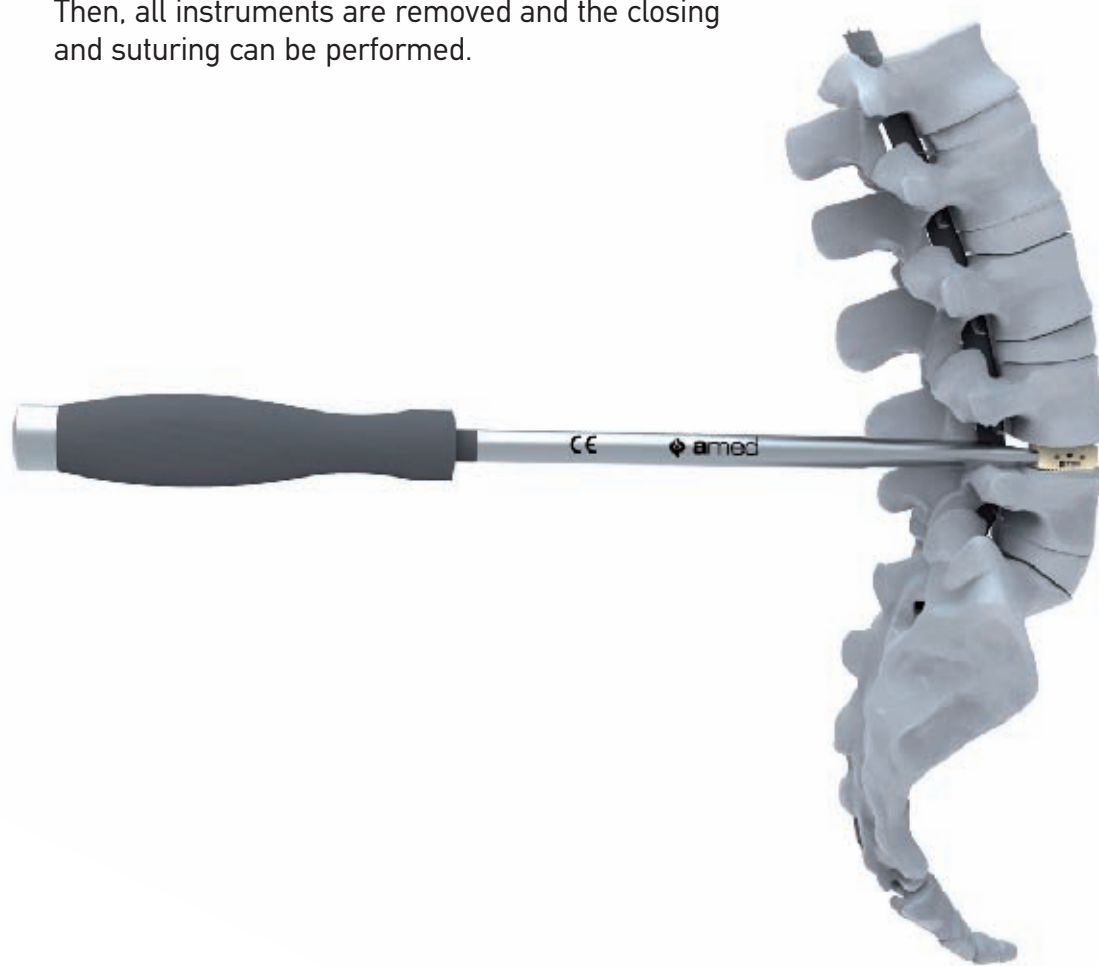
Bone Impactor
REF: CHAB110



STEP 8

Final impaction can be performed gently with the cage impactor .

Then, all instruments are removed and the closing and suturing can be performed.



Instrumentation

Cage Impactor
REF: CHAC10



Charis lumbar size 25 mm



CHARIS LUMBAR CAGE

Surgical Technique

